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| We are investigating: **Which surface on a Roman road would have the best grip when walking in sandals?** |

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| The **variables** we could change  **Foil**  **Card**  **board**  **Sand**  **paper**  **Fabric**  **Tissue**  **paper** | The **variables** we could **measure**/**observe**  **How far the shoe moved in a specific time**  **How much force was used to move the shoe across the material**  **Road length** |
| **Materials**  We **will** change | **Force used to move the shoe**  **Distance travelled in a specific time**  We **will**  Measure/observe |
| Our **question** is…  **the friction between the shoe and the road surface?**  **Materials**  If we change What will happen to | |
| To make it a **fair test** we will  Keep these **variables** the same  **Road length**  **Time period**  **Shoe** | Our **predictions** are… |